

**Table 11. U.S. Renewable Energy Use by Sector: Mid World Oil Price Case**  
(Quadrillion Btu)

	Year				Annual Percentage Change		
	1998	1999	2000	2001	1998-1999	1999-2000	2000-2001
<b>Electric Utilities</b>							
Hydroelectric Power <sup>a</sup> .....	<b>3.178</b>	<b>3.069</b>	<i>2.844</i>	<i>2.823</i>	<b>-3.4</b>	<i>-7.3</i>	<i>-0.7</i>
Geothermal, Solar and Wind Energy <sup>b</sup> .....	<b>0.109</b>	<b>0.036</b>	<i>0.004</i>	<i>0.004</i>	<b>-67.0</b>	<i>-88.9</i>	<i>0.0</i>
Biofuels <sup>c</sup> .....	<b>0.021</b>	<b>0.021</b>	<i>0.021</i>	<i>0.021</i>	<b>0.0</b>	<i>0.0</i>	<i>0.0</i>
Total .....	<b>3.307</b>	<b>3.125</b>	<i>2.869</i>	<i>2.847</i>	<b>-5.5</b>	<i>-8.2</i>	<i>-0.8</i>
<b>Nonutility Power Generators</b>							
Hydroelectric Power <sup>a</sup> .....	<b>0.149</b>	<b>0.139</b>	<i>0.137</i>	<i>0.120</i>	<b>-6.7</b>	<i>-1.4</i>	<i>-12.4</i>
Geothermal, Solar and Wind Energy <sup>b</sup> .....	<b>0.240</b>	<b>0.315</b>	<i>0.404</i>	<i>0.436</i>	<b>31.3</b>	<i>28.3</i>	<i>7.9</i>
Biofuels <sup>c</sup> .....	<b>0.523</b>	<b>0.702</b>	<i>0.715</i>	<i>0.700</i>	<b>34.2</b>	<i>1.9</i>	<i>-2.1</i>
Total .....	<b>0.912</b>	<b>1.156</b>	<i>1.256</i>	<i>1.257</i>	<b>26.8</b>	<i>8.7</i>	<i>0.1</i>
Total Power Generation.....	<b>4.219</b>	<b>4.281</b>	<i>4.124</i>	<i>4.104</i>	<b>1.5</b>	<i>-3.7</i>	<i>-0.5</i>
<b>Other Sectors <sup>d</sup></b>							
Residential and Commercial <sup>e</sup> .....	<b>0.568</b>	<b>0.574</b>	<i>0.583</i>	<i>0.583</i>	<b>1.1</b>	<i>1.6</i>	<i>0.0</i>
Industrial <sup>f</sup> .....	<b>1.515</b>	<b>1.542</b>	<i>1.569</i>	<i>1.569</i>	<b>1.8</b>	<i>1.8</i>	<i>0.0</i>
Transportation <sup>g</sup> .....	<b>0.095</b>	<b>0.100</b>	<i>0.108</i>	<i>0.106</i>	<b>5.3</b>	<i>8.0</i>	<i>-1.9</i>
Total .....	<b>2.178</b>	<b>2.216</b>	<i>2.260</i>	<i>2.258</i>	<b>1.7</b>	<i>2.0</i>	<i>-0.1</i>
Net Imported Electricity <sup>h</sup> .....	<b>0.224</b>	<b>0.237</b>	<i>0.247</i>	<i>0.254</i>	<b>5.8</b>	<i>4.2</i>	<i>2.8</i>
Total Renewable Energy Demand .....	<b>6.621</b>	<b>6.735</b>	<i>6.632</i>	<i>6.617</i>	<b>1.7</b>	<i>-1.5</i>	<i>-0.2</i>

<sup>a</sup>Conventional hydroelectric power only. Hydroelectricity generated by pumped storage is not included in renewable energy.

<sup>b</sup>Also includes photovoltaic and solar thermal energy. Sharp declines since 1998 in the electric utility sector and corresponding increases in the nonutility sector for this category mostly reflect sale of geothermal facilities to the nonutility sector.

<sup>c</sup>Biofuels are fuelwood, wood byproducts, waste wood, municipal solid waste, manufacturing process waste, and alcohol fuels.

<sup>d</sup>Renewable energy includes minor components of non-marketed renewable energy, which is renewable energy that is neither bought nor sold, either directly or indirectly as inputs to marketed energy. The Energy Information Administration does not estimate or project total consumption of non-marketed renewable energy.

<sup>e</sup>Includes biofuels and solar energy consumed in the residential and commercial sectors.

<sup>f</sup>Consists primarily of biofuels for use other than in electricity cogeneration.

<sup>g</sup>Ethanol blended into gasoline.

<sup>h</sup>Represents 78.6 percent of total electricity net imports, which is the proportion of total 1994 net imported electricity (0.459 quadrillion Btu) attributable to renewable sources (0.361 quadrillion Btu).

Notes: Minor discrepancies with other published EIA historical data are due to independent rounding. Historical data are printed in bold; forecasts are in italics. The forecasts were generated by simulation of the Short-Term Integrated Forecasting System.